

*Ar scáth a chéile a mhairimid*



**Work for Ms. Gilbert's 5<sup>th</sup> Class Maths Group**

I hope you all had a lovely bank holiday weekend and got to get outside and enjoy some of the sun.

In line with our school calendar and bank holiday weekend, the following outline of work will be for a three day period (Wednesday 6th - Friday 8th May) and then the following week will be a full weeks work.

If you have any issues or problems you can contact me on your google classroom account and write to me in the 'Ask your teacher a question' section and I will get back to you as soon as I can. I will also include photos of the maths work in case anyone has mislaid their maths book.

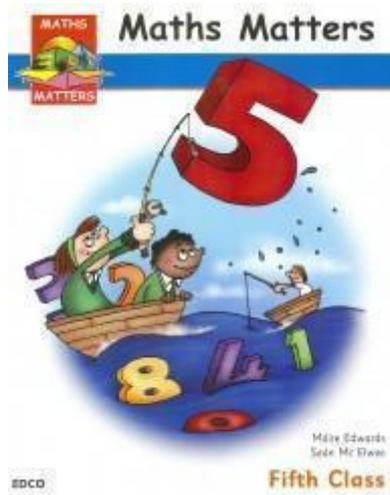
As always, if you are struggling with the work, do not worry, just try your best or ask for help.

Stay Safe and Take Care,

Ms.Gilbert

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## Week Beginning Monday 4<sup>th</sup> of May



(As usual, please complete all your Maths work into your Maths Matters 5 book and use your copy if you need more space to draw your graphs.)

**Bar Charts:** Complete pages 176, (177 no.1 only), 179, 183 (no. 2 only)

Please watch these video links; they may help you with your maths work.

<https://www.youtube.com/watch?v=6omMS4zPGJM> types of graphs

<https://www.youtube.com/watch?v=C0-eJfOg3nc> reading graphs

<https://www.youtube.com/watch?v=ReW4MPqXTvA> creating bar graphs

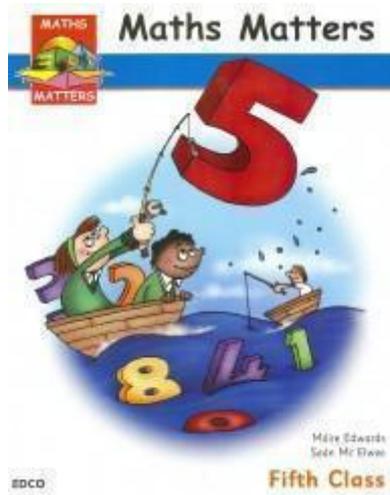
**Tables:** This week you can practice your division tables by trying out some of the games on the top marks website. Just follow this link.

<https://www.topmarks.co.uk/maths-games/7-11-years/times-tables>

**Remember:** You can log into your Manga high account or your sum dog account to play some of the number sentence activities/games.

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## Week Beginning Monday 11<sup>th</sup> of May



(As usual, please complete all your Maths work into your Maths Matters 5 book and use your copy if you need more space to work out sums.)

**Time to Look Back:** Complete pages 190, 191, 192, 193, 194

Remember to look back over the chapters in your book for examples that might help.

Please watch these video links; they may help you with your Maths work.

<https://www.youtube.com/watch?v=0NvLtTwnUHs> factors

<https://www.youtube.com/watch?v=XGbOiYhHY2c&t=40s> prime numbers

[https://www.youtube.com/watch?v=tLWFt\\_vW33E](https://www.youtube.com/watch?v=tLWFt_vW33E) odd and even numbers

**Tables:** This week you can practice your multiplication tables by trying out some of the games on the top marks website. Just follow this link.

<https://www.topmarks.co.uk/maths-games/7-11-years/times-tables>

**Remember:** You can log into your Manga high account or your sum dog account to play some of the directed numbers activities/games.

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# Chapter 29

## Data

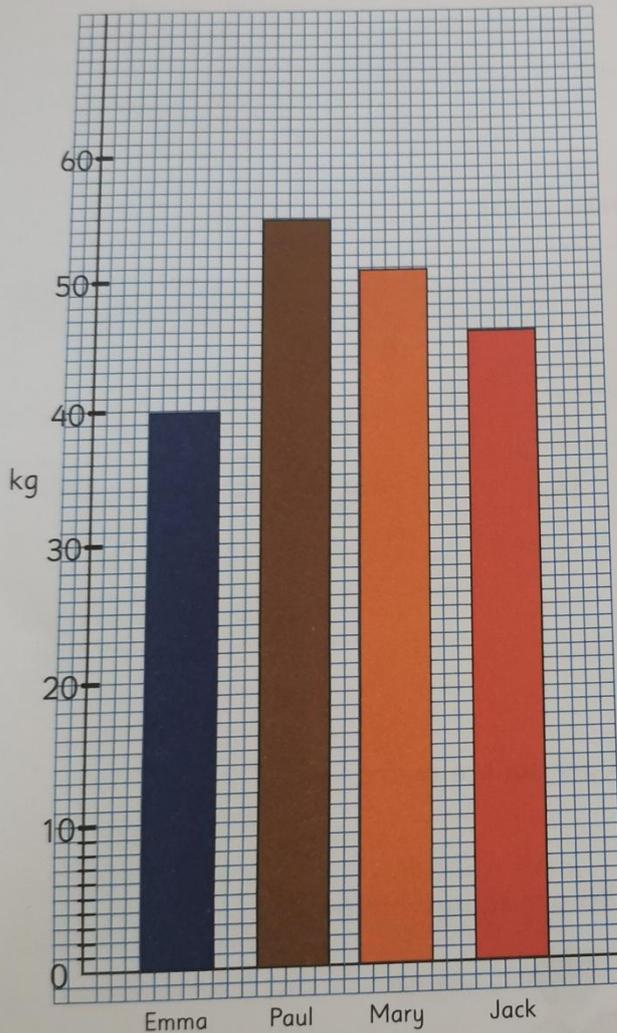


### You need:

- protractors
- to explain data, sector, rotations
- to revise averages

### A Bar charts

1. Here is a bar chart showing the weights of Emma, Paul, Mary and Jack.



Fill in the missing numbers.

Emma: \_\_\_\_\_ kg

Paul: \_\_\_\_\_ kg

Mary: \_\_\_\_\_ kg

Jack: \_\_\_\_\_ kg

Total weight: \_\_\_\_\_ kg

Divide the total weight by 4 to find the average weight of the 4 children.

Average weight: \_\_\_\_\_ kg.



(a) Draw a line across the graph showing the average weight of the 4 children.

(b) Which children are above the average weight? \_\_\_\_\_, \_\_\_\_\_

(c) How would you describe Jack's weight? \_\_\_\_\_

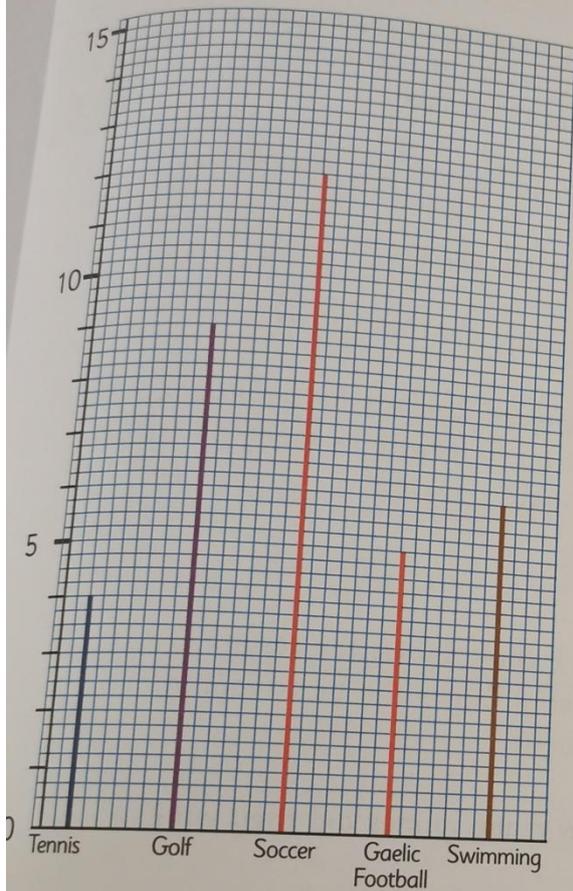
(d) Is Emma above or below the average weight? \_\_\_\_\_

(e) By how much is Paul heavier than Emma? \_\_\_\_\_

(f) By how much is Jack lighter than Paul? \_\_\_\_\_

## Line graphs

1. Here is a line graph showing the 5 favourite sports of the pupils in fifth class in Longmile National School.



Fill in the missing numbers.

Tennis: \_\_\_\_\_ pupils

Golf: \_\_\_\_\_ pupils

Soccer: \_\_\_\_\_ pupils

Gaelic football: \_\_\_\_\_ pupils

Swimming: \_\_\_\_\_ pupils

Total: \_\_\_\_\_ pupils

Which is the most popular sport? \_\_\_\_\_

Which is the least popular sport? \_\_\_\_\_

How many more pupils prefer soccer to Gaelic football? \_\_\_\_\_

How many less prefer swimming to golf? \_\_\_\_\_

What percentage of the class preferred golf? \_\_\_\_\_

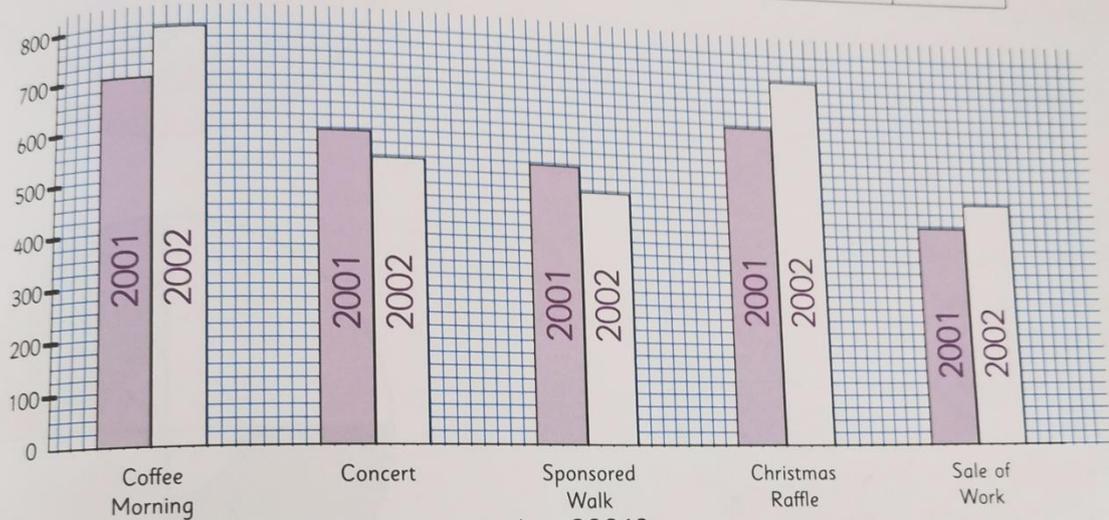
Find out the 5 favourite sports of the children in your class and then in your copy draw a line graph to show this data.

Write 3 questions about the graph and see if your friend can find the answers.

## Multiple bar charts

This table and the bar chart show the amount of money raised by the Parents' Association in St Michael's School in 2001 and in 2002.

Year	Coffee morning	Concert	Sponsored walk	Christmas raffle	Sale of work
2001	€700	€600	€550	€650	€450
2002	€800	€550	€500	€750	€500



- What was the total amount raised in 2001? \_\_\_\_\_
- How much altogether was raised in 2002? \_\_\_\_\_
- Which was the better year? \_\_\_\_\_
- By how much? \_\_\_\_\_



- The following table shows the attendance of the children of fifth and sixth class in Millbrook National School over a week. There are 40 pupils in each class. In your copy show this data on a **multiple bar chart**.

Class	Mon	Tues	Wed	Thur	Fri
5th	35	30	40	35	30
6th	40	30	35	35	35

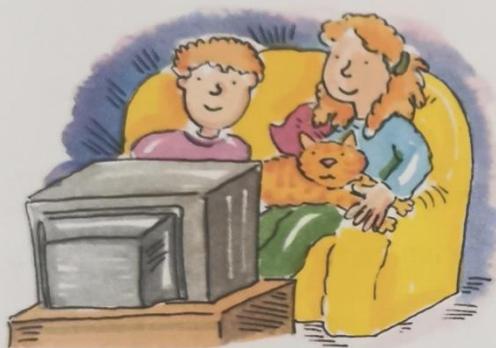
- What is the average attendance of fifth class? \_\_\_\_\_
  - What is the average attendance of sixth class? \_\_\_\_\_
  - Which class has the best attendance? \_\_\_\_\_
- The highest attendance was on \_\_\_\_\_
  - The lowest attendance was on \_\_\_\_\_

## More charts for you to draw

1. Farmer O'Neill has 80 animals on his farm. He has 20 cows, 40 sheep, 10 pigs and 10 horses. In your copy draw a table to show this information and then construct a pie chart of the data.



2. The hair colours of the children in 5th class in Westbrook School are as follows: Brown hair 8, Black hair 10, Red hair 5, Fair hair 7. Draw a table to show this information and then represent your findings on a bar chart.
3. (a) With the help of your teacher, choose the 5 most popular TV programmes.



Ask each child which is their preferred programme and record the answers on a piece of paper.

Draw a table of your findings.

Then construct a bar chart to show this information.

Write 3 questions about the survey.

- (b) Now ask each child which of the following 4 school subjects that they prefer:

ENGLISH, MATHEMATICS, HISTORY, GEOGRAPHY.

Then draw a table of the answers and show the information on a pie chart.

Write 3 questions about the survey.

4. Now ask your classmates about some of the following and draw a table and a suitable chart each time.

(a) 4 favourite pop bands

(b) 5 favourite drinks

(c) 4 most popular cereals

(d) 4 favourite fruits

(e) 4 favourite colours

(f) 4 favourite animals

# Chapter 31

Time to look back 6



1. Name two 3-D shapes which have 6 faces, 12 edges and 8 vertices.  
\_\_\_\_\_

2. Circle the correct shape. This can of beans is a  
tetrahedron      cylinder      pyramid



3. How many faces has a triangular prism? \_\_\_\_\_

4. Name the 3-D shape which has 6 vertices, 6 faces and 10 edges. \_\_\_\_\_

5. Increase €8.60 by 50%. \_\_\_\_\_

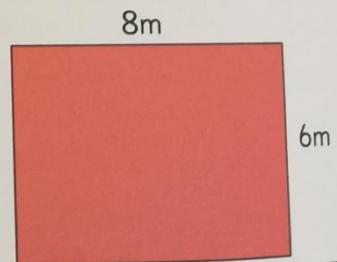
6. Reduce 3kg by 25% \_\_\_\_\_

7. Find the cost of this bicycle. \_\_\_\_\_



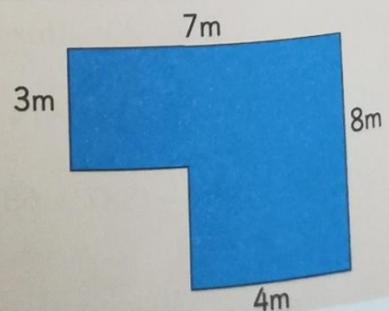
8. How much would you have to pay for a computer worth €920 if the price was reduced by 20% in a sale? \_\_\_\_\_

9. Find the area of this rectangle.  
\_\_\_\_\_



10. One side of a square measures 10m.  
Find the area of the square. \_\_\_\_\_

11. What is the area of this garden?  
\_\_\_\_\_



## Time to look back 6

12. It cost €1470 to carpet a rectangular room with this carpet. What was the area of the room? \_\_\_\_\_



Twenty-four fifth class children were asked to choose their favourite sports. The results of the survey are shown on this pie chart. Look at the chart and answer questions 13 – 16.



13. How many children preferred football? \_\_\_\_\_
14. How many children preferred basketball? \_\_\_\_\_
15. How many more children preferred swimming to hurling? \_\_\_\_\_
16. What percentage of the 24 children preferred football? \_\_\_\_\_
17. Fill in the missing number.  $16 \times \square = 112$
18. Fill in the missing symbol.  $50 \square 18 = 32$
19. Write as a number sentence:  
Jack shared 28 sweets between himself and his three friends.  
How many sweets did each child get? \_\_\_\_\_
20.  $7 \times 3 \div 3 + 9 + (10 - 2) =$  \_\_\_\_\_

How well did you do? Tick the box that shows your score.

18-20  
Excellent

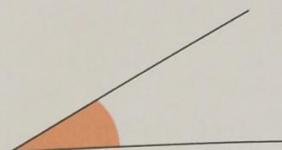
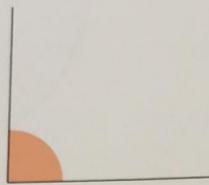
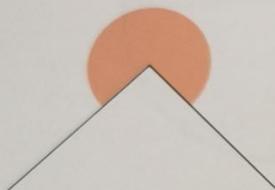
15-17  
Very Good

10-14  
Good

0-9  
Keep up the good work

A long look back

1. Find the sum of these five numbers: 356, 9043, 89, 8 and 15 027. \_\_\_\_\_
2. Find the difference between 7698 and 36 002. \_\_\_\_\_
3. The sum of the angles in a triangle = \_\_\_\_\_
4. Which of these angles is **not** shown here: acute, obtuse, reflex or right angle?



5. Draw a line which is perpendicular to this red line. \_\_\_\_\_

6.  $€126.50 \div 25 =$  \_\_\_\_\_

7. Five of these cakes costs €4.45. How much would 9 cakes cost? \_\_\_\_\_

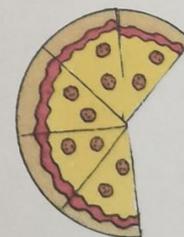


8. A newsagent which opens seven days a week sold 8959 newspapers in May. What was the average number of newspapers sold per day in May? \_\_\_\_\_

9. Is the number which is 9 less than 126, an odd or an even number? \_\_\_\_\_

10. Circle the square number in this list: 23, 24, 25, 26, 27

11. What fraction of this pizza is missing? \_\_\_\_\_



Fill in the missing number:  $\frac{3}{5} = \frac{\quad}{10}$

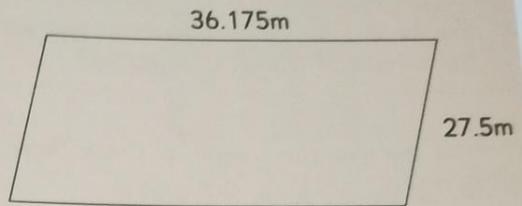
Add these four numbers: 2.6, 126.125, 1203.75 and 99. \_\_\_\_\_

From 620.75 take 39.825. \_\_\_\_\_

## A long look back

15. Áine lives 8 km from school and her friend Paul lives 1.75 km closer to the school than Áine. How far is Paul's house from the school? \_\_\_\_\_

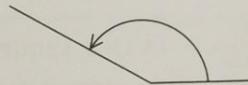
16. Find the perimeter of this shape.  
\_\_\_\_\_



17. The angle between the hands of this clock measures  
\_\_\_\_\_



18. Measure this angle. \_\_\_\_\_



19. If the radius of a circle measures 7cm, what is the length of the diameter? \_\_\_\_\_

20. How many **more** sides has a quadrilateral than a triangle? \_\_\_\_\_

21. Find the missing factors of 24.

1, 2, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 24

22. Circle the prime number in this list: 42, 43, 44, 45.

23. Write  $\frac{18}{4}$  as a mixed number in its simplest form. \_\_\_\_\_

24. How many bunches of eight flowers can be made from 74 flowers? \_\_\_\_\_

25. Round 207.603 to the nearest whole number. \_\_\_\_\_

## A long look back

### Section B

26. By how much is  $7.275 \times 8$  less than  $424.97 \div 7$ ? \_\_\_\_\_

27. Would you use kilogrammes or grammes to measure the weight of a packet of crisps? \_\_\_\_\_

28. Find the average weight of these three boys:  
26.725kg,  $30 \frac{1}{2}$  kg, 20kg 52g. \_\_\_\_\_



29. This bag contains 10 black and 10 white socks. What is the smallest number of socks you must take out (without looking inside) to be sure to have two socks of the same colour? \_\_\_\_\_



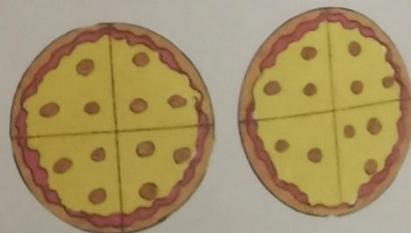
30. If you roll a dice once, you have a better chance of rolling a 6 than any other number. True or False? \_\_\_\_\_

31. Write in the next four numbers in this sequence: 6, 4, 2, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_.

32. How many whole numbers are there between negative 2 and positive 5? \_\_\_\_\_

33. Work out the answers to (a)  $2 \frac{1}{3} + \frac{3}{4}$  and (b)  $4 \frac{2}{3} - 1 \frac{1}{6}$  and write the bigger answer on this line. \_\_\_\_\_

34. The Murphy family ordered these two pizzas for dinner. They each had the following fractions of a pizza: Dad  $\frac{5}{8}$ , Mum  $\frac{1}{2}$ , John  $\frac{3}{8}$  and Anne  $\frac{1}{4}$ .



How much pizza was left over after the meal?

35. Write 9.45 p.m. in 24-hour time. \_\_\_\_\_

36. If a teacher starts work at 08.50 and finishes at 14.30, how many hours and minutes does she work in a full school week? \_\_\_\_\_